

Title (en)
FLOATING WIND TURBINE GENERATOR INSTALLATION

Title (de)
SCHWIMMENDE INSTALLATION EINES WINDTURBINENGENERATORS

Title (fr)
INSTALLATION DE GÉNÉRATEUR À TURBINE ÉOLIENNE FLOTTANTE

Publication
EP 3849894 B1 20230607 (EN)

Application
EP 19761863 A 20190902

Priority
• EP 18194198 A 20180913
• EP 2019073339 W 20190902

Abstract (en)
[origin: WO2020053015A1] A method of installing a wind turbine generator onto a floating foundation. The floating foundation has variable buoyancy and is pre-ballasted to float at a predetermined vertical position before installation of a wind turbine generator component onto the floating foundation. A wind turbine generator component supported by lifting equipment is brought towards the floating foundation until contact is made with the floating foundation. Ballast is removed from the floating foundation to increase the buoyancy of the floating foundation such that weight of the wind turbine generator component supported by the floating foundation is increased from substantially zero to substantially the entire weight of the wind turbine generator component. The vertical position of the floating foundation is substantially unchanged during transferring weight of the wind turbine generator component onto the floating foundation.

IPC 8 full level
B63B 1/10 (2006.01); **B63B 35/44** (2006.01); **F03D 13/10** (2016.01); **F03D 13/25** (2016.01)

CPC (source: EP US)
B63B 1/107 (2013.01 - EP US); **B63B 35/44** (2013.01 - EP US); **B63B 75/00** (2020.01 - EP US); **B63B 77/10** (2020.01 - EP); **F03D 13/10** (2016.05 - EP US); **F03D 13/25** (2016.05 - EP US); **B63B 39/03** (2013.01 - EP); **B63B 2035/446** (2013.01 - EP US); **F05B 2240/93** (2013.01 - EP US); **Y02E 10/72** (2013.01 - EP US); **Y02E 10/727** (2013.01 - EP US)

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2020053015 A1 20200319; CN 112912306 A 20210604; CN 112912306 B 20230613; EP 3849894 A1 20210721; EP 3849894 B1 20230607; EP 3849894 C0 20230607; EP 4234926 A2 20230830; EP 4234926 A3 20231108; ES 2947434 T3 20230809; TW 202032005 A 20200901; US 11649806 B2 20230516; US 2021355917 A1 20211118

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